



Since 1879

Since 1879



Mesker Metal Windows

MESKER

BROTHERS IRON COMPANY

INDUSTRIAL WINDOWS-SCREENS-
CASEMENT WINDOWS-INDUSTRIAL DOORS

Saint Louis

DISTRICT REPRESENTATIVES IN THE FOLLOWING CITIES:

[For address and telephone number of offices listed below, look in the Classified Directory of your phone book under Sash or Steel Sash or refer to the Alphabetical Section under Mesker Brothers Iron Company or telegraph the St. Louis Office at our expense.]

Albert Lea, Minn.
Arlington, Tex.
Atlanta, Ga.
Baltimore, Md.
Birmingham, Ala.
Burlington, Iowa
Cambridge, Mass.
Canton, Ohio
Charlotte, N. C.
Chattanooga, Tenn.
Chicago, Ill.
Cincinnati, Ohio
Cleveland, Ohio
Colon, R. P.
Columbia, S. C.
Columbus, Ind.
Columbus, Ohio

Dallas, Tex.
Davenport, Iowa
Dayton, Ohio
Decatur, Ill.
Denver, Colo.
Des Moines, Iowa
Detroit, Mich.
Duluth, Minn.
El Paso, Tex.
Flint, Mich.
Ft. Wayne, Ind.
Ft. Worth, Tex.
Grand Rapids, Mich.
Great Falls, Mont.
Greenville, S. C.
Honolulu, T. H.
Houston, Tex.

Huntington, W. Va.
Indianapolis, Ind.
Jackson, Miss.
Jacksonville, Fla.
Joplin, Mo.
Kalamazoo, Mich.
Kansas City, Mo.
Knoxville, Tenn.
Lansing, Mich.
Little Rock, Ark.
Los Angeles, Cal.
Louisville, Ky.
Memphis, Tenn.
Miami, Fla.
Milwaukee, Wis.
Minneapolis, Minn.
Mobile, Ala.

Montgomery, Ala.
Nashville, Tenn.
New Orleans, La.
New York, N. Y.
Niagara Falls, N. Y.
North Tonawanda, N. Y.
Ogden, Utah
Oklahoma City, Okla.
Omaha, Neb.
Orange, Tex.
Philadelphia, Pa.
Phoenix, Ariz.
Pittsburgh, Pa.
Portland, Ore.
Portsmouth, Ohio
Rochester, N. Y.
St. Joseph, Mo.

Salina, Kan.
San Angelo, Tex.
San Antonio, Tex.
San Francisco, Cal.
Seattle, Wash.
Shreveport, La.
Sioux Falls, S. D.
South Bend, Ind.
Springfield, Ill.
Tampa, Fla.
Toledo, Ohio
Tulsa, Okla.
Washington, D. C.
Waterloo, Iowa
Wichita, Kan.
Wichita Falls, Tex.
Williamsville, N. Y.

A BRIEF HISTORY

Established in 1879, the MESKER BROTHERS IRON CO. is entering its fifty-seventh year, engaged in the exclusive manufacture of metal window, door and screen products. Starting as a sheet metal firm, by the 1890's it had become the largest manufacturer of iron store fronts in the country. Thousands of these stand today in rural Western cities—a reminder of the early days of "mushroom" towns of the West. Past the turn of the century and up to 1910 the store front boom continued. Then, with a new era of architecture it was swept away as quickly as it had come.

The growing demand for fireproof windows found the answer in the Mesker Hollow Metal Window. But, with the timely development of the Steel Industry, solid rolled steel sections soon gained favor over hollow metal for window construction. From then on each year saw another refinement in Mesker steel sash—each year a new type of window or door—heavier sections of better design—improvement in hardware—the Mesker Cup Pivot—all-welded construction. Throughout the years of advancement, one obstacle yet remained to be overcome. An obstacle which caused great concern among architects and builders everywhere—the irrepressible action of nature to slowly but surely reduce steel back to whence it came—the oxide of iron that we call "rust"!



Mesker Genuine Wrought Iron Casements and Industrial Windows in the Procurement Division of the U. S. Treasury Department, Washington, D. C.

Result—in 1929 the birth of the first Genuine Wrought Iron Window in America—Mesker Wrought Iron Sash. It employed the same wrought iron that has served man's requirements successfully for hundreds of years—the same in physical and chemical properties obtained by the same old process. It utilized the "raincoat" of slag filaments, shedding the water and acting as a barrier to all matter promoting corrosion. As it always has, Genuine Wrought Iron today stands alone, unique among all other ferrous metals. Only Genuine Wrought Iron contains the three essentials for resisting progressive corrosion, essentials that the old-timers never knew, but which modern chemistry and photomicrographs have revealed to us: FIRST, slag content of about 6% by volume. SECOND, purity of base metal "Fe" free from excessive impurities. THIRD, exclusive process of manufacture—puddling below the

melting point. Architects and engineers now recognize the value of Genuine Wrought Iron, not as a "cure-all," but as the best corrosion resistant ferrous metal obtainable—a reputation that our forefathers remember.

So today there is nearly three acres of modern factory producing an ever increasing volume of Mesker Steel and Wrought Iron Windows, constantly advancing, developing new products, building faith and goodwill on sound business policy. That in a nut shell is the brief history of Mesker.



ORIGINATORS OF WROUGHT IRON SASH



MESKER WINDSOR AND METROPOLITAN CASEMENTS

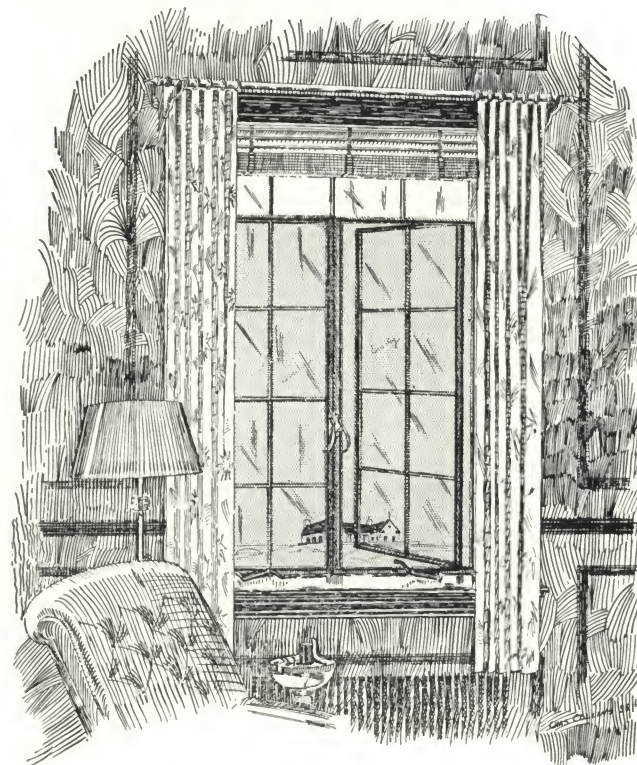
Mesker Windsor and Metropolitan Casements are made of rolled steel sections designed for casements only. No loose lining or applied weathering bars are used. All sight lines are maintained in Metropolitan, and in both Metropolitan and Windsor only fine casement workmanship prevails. All joints are welded and ground as if one piece. Sections are smooth and straight and a full $1\frac{1}{2}$ in. and $1\frac{3}{8}$ in. deep. Ventilators fit with maximum tightness, making positive double point contact. Hardware is Mesker's solid bronze of attractive design and congenial to the grasp. Mesker screens can be applied with ease to any ventilators. Mesker Storm Windows are available on the Windsor.

SPECIFICATIONS

(Note: Manufacturers of metal casements have automatically standardized on many features of material and construction methods, realizing that certain standards are essential and inherent in every casement. Such recognized standards have been omitted below as being superfluous. Only essential points of specifications have been included.)

Material—Sections shall be of (hot rolled new billet steel or Genuine Wrought Iron conforming to A.S.T.M. Specifications A-84-33 Grade B-1) . . . weight at least 3.3 lbs. per lineal foot of frame and ventilator bar combined . . . all sections smooth and straight, especially designed for casements only with minimum depth of $1\frac{3}{8}$ in. . . no applied weathering permitted . . . all moving parts bronze or with bronze bearing.

Construction—All joints shall be solidly welded and ground to a smooth finish . . . muntin joints in addition shall be interlocked . . . muntins shall run continuous vertically and horizontally . . . hinges to be of heavy $\frac{1}{8}$ -in. plate steel, extension type, bronze bearing welded to frame and riveted to ventilator . . . projected ventilators shall be supported by two heavy extension arms and by two adjustable bronze friction shoes sliding in a channel slide . . . sight lines shall be maintained around the perimeter of all casements (and shall be maintained throughout on Metropolitan Casements) . . . where shown and designated casements shall be prepared for screens . . . sections shall



The Mesker Windsor Casement

be assembled for outside glazing with putty (or inside glazing with continuous beads applied with brass screws spaced on 12-in. centers maximum) . . . head and jamb fins to be furnished bolted to Windsor Casements where designated and shown. . . .

Hardware—Shall be solid bronze antique coinage finish of plain heavy pattern and rigidly attached to give positive locking . . . it shall be shipped separately, securely packed and wrapped, but shall be first test-fitted to casements in the factory . . . furnish locking handles, strike plates, keepers, pole rings, spring latches, adjusters, and gear operators according to manufacturer's standard practice and required for satisfactory operation on all ventilators, screen and non-screen types . . . all screen type hardware to be designated to operate without the necessity of removing, notching, or distorting the screen in any way . . .

Workmanship—All evidences of good workmanship shall be present . . . sections to be smooth and straight and free from distortion or excessive hammer marks . . . paint to be two coats of quality primer baked on with unbroken smooth finish . . . ventilators to be hung square, operate with maximum ease, and make positive tight contact around entire perimeter . . . muntins to be in perfect alignment, glazing beads as required to be neatly applied coped and mitered . . . all joints shall be flush . . . welds to be ground down and finished off smooth . . .

Erection—All casements to be erected by the manufacturer . . . to be set plumb and true . . . ventilators to be adjusted before glazing and hardware carefully fitted on, leaving all casements in good condition in workmanlike manner . . . manufacturer to furnish sufficient caulking compound and glazing clips . . . (glass and glazing to be included under separate specifications) . . .

Screens—Frame shall be solid steel section $\frac{3}{8} \times \frac{5}{8}$ in. . . spline shall be $\frac{1}{4}$ in. round soft aluminum . . . cloth shall be No. 16 mesh, bronze antique wire . . . frame corners to be solidly welded . . . holes to be punched at each corner for speedy removal of spline to facilitate rewiring . . . cloth shall be stretched tight with no sagging or buckling . . . frames to be given one coat of black enamel baked on . . . all necessary clips and screen fittings to be included . . .



The Mesker Metropolitan Casement

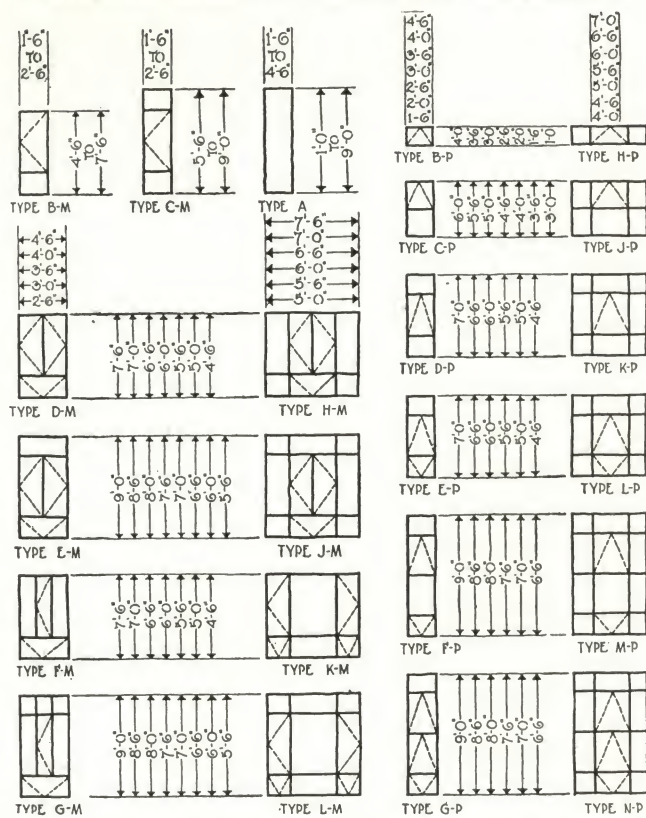


ORIGINATORS OF WROUGHT IRON SASH



MESKER WINDSOR AND METROPOLITAN CASEMENTS

STANDARD SIZES METROPOLITAN CASEMENTS



Metropolitan Combination

Metropolitan Projected

HARDWARE NOTES

Mesker Bronze Hardware is cast in our own factory from our special patterns, using only best quality bronze pig available. Our standard design has been adopted at the insistence of many architects because of its ability to harmonize with all surroundings, and for its shape congenial to the grasp. Architects individual hardware designs can be executed for pattern making cost only, making it possible to obtain your own designed hardware far below the average expense.



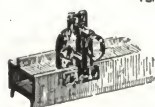
BRONZE SPRING CONTROLLED SCREEN FASTENER.



BARREL TYPE SLIDING SHOE ON PROJECTED VENTS.



BRONZE CASEMENT FASTENERS NO. 201 FOR NON-SCREEN CASEMENTS.



BRONZE SPRING LOCK NO. 235A FOR OPEN OUT VENTS.



BRONZE PEG STAY NO. 240 FOR TRANSCOM VENTS.

DRAFTING NOTES

See opposite page for installation details . . . special sizes and designs other than shown are available but following ventilator dimensions must not be exceeded: Side hinged vents maximum width 2 ft. 6 in.; maximum height 6 ft. 0 in. Projected vents maximum width 5 ft. 0 in.; maximum height 4 ft. 0 in., area not to exceed 12½ square feet . . . all casements provided with shade bracket holes on request . . . continuous fins are recommended at head and jambs of Windsor Casements in masonry walls . . . head or jamb fins do not affect opening dimensions . . . muntins may be omitted . . . vents may swing in at extra cost . . . casements must be thoroughly caulked when installed.

MESKER BRONZE HARDWARE



BRONZE SPRING LOCK NO. 235 FOR OPEN-IN VENTS.



BRONZE POLE RING NO. 236 FOR PROJECT-OUT VENTS.



BRONZE "WINDSOR-UNIVERSAL" UNDERSCREEN OPERATOR NO. 240

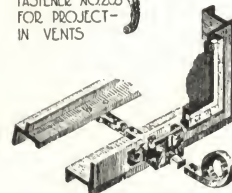


BRONZE CASEMENT FASTENER NO. 204 FOR SCREEN TYPE CASEMENTS.

BRONZE CAM FASTENER NO. 230 FOR PROJECT-OUT VENTS

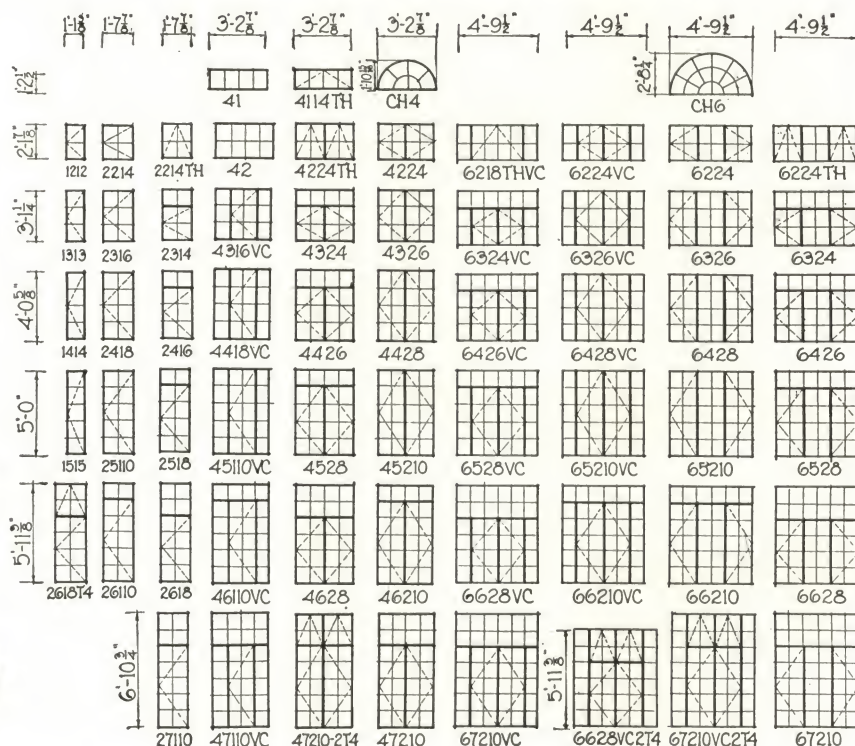


BRONZE CAM FASTENER NO. 203 FOR PROJECT-IN VENTS



BRONZE PEG STAY NO. 242 FOR PROJECT-OUT VENTS.

STANDARD SIZES WINDSOR CASEMENTS



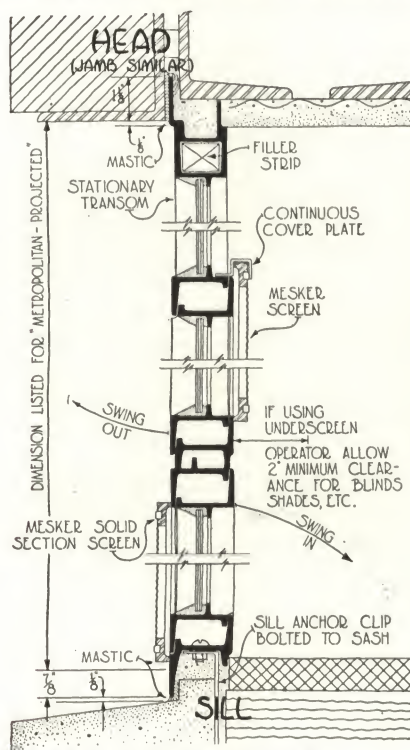
MESKER
BROS.
IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

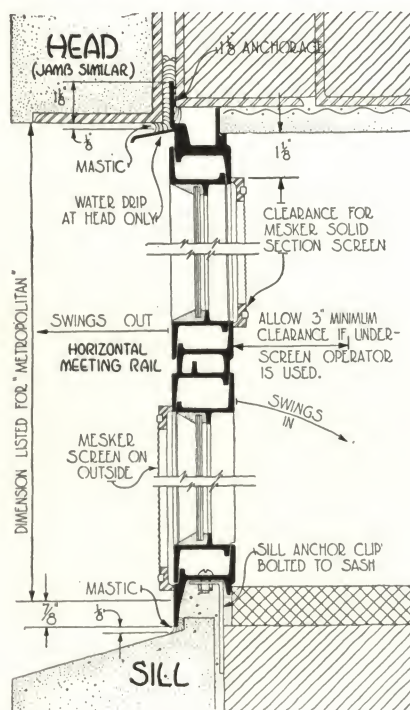
SWEET'S
CATALOGUE

MESKER WINDSOR AND METROPOLITAN CASEMENTS

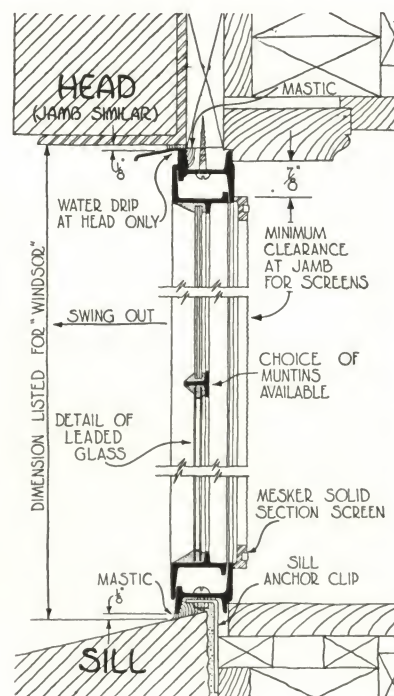
DETAILS ILLUSTRATING INSTALLATION—SCREEN APPLICATION—ASSEMBLY OF SECTIONS—GLAZING



Metropolitan Projected



Metropolitan Combination

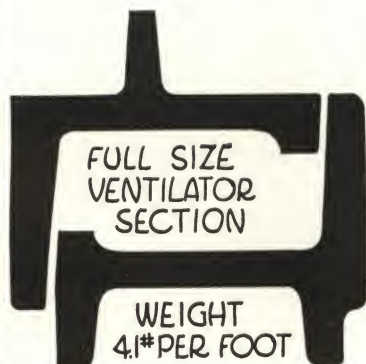
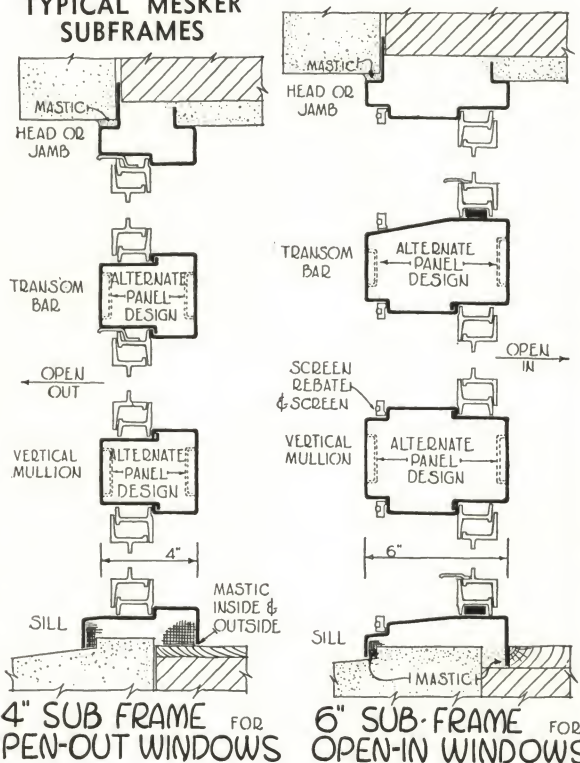


Windsor

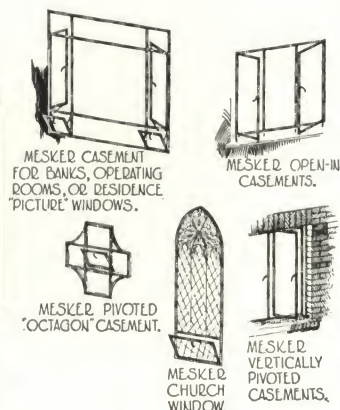
MESKER HEAVY CASEMENTS CUSTOM BUILT

Mesker Custom-Casements are available in practically every size and design conceivable. Vents can be side hinged, bottom hinged, top hinged, horizontally pivoted, vertically pivoted, and projected, all either "in" or "out." They may be inside or outside glazed with clear, plate or leaded glass, using putty or glazing beads. The shapes used in Custom-Casements are similar to shapes used in Mesker Windsor and Metropolitan Casements, except that thickness has been increased to $\frac{3}{16}$ in. and weight is, therefore, greater. Ventilator limits are: Side hinged vents maximum width 3 ft. 0 in.; maximum height 8 ft. 0 in. Projected vents maximum width 5 ft. 0 in.; maximum height 4 ft. 6 in., area not to exceed 16 square feet.

TYPICAL MESKER SUBFRAMES



Both Sections $1\frac{5}{8}$ " Deep

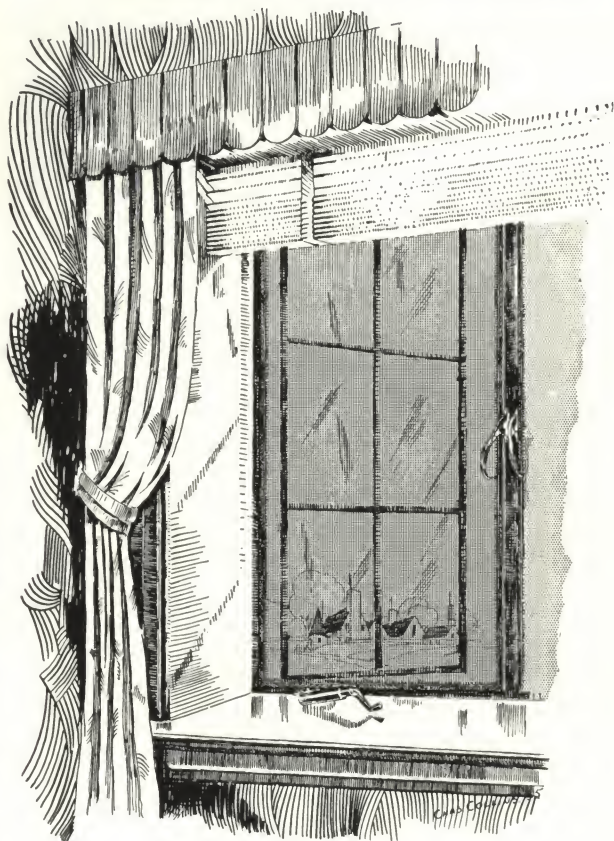


MESKER
BROS.
IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

SWEETS
CATALOGUE

MESKER GUILDHALL RESIDENCE CASEMENTS



The Guildhall Casement

Mesker Guildhall Residence Casements have been developed for use in medium priced residences where a pleasing yet sturdy casement enhances the architectural beauty. Guildhalls are a product of careful workmanship and embody the best methods of construction known to the Industry. They are weathertight, slim and attractive, and easily draped and shaded.

SPECIFICATIONS

(Note: Manufacturers of metal casements have automatically standardized on many features of material and construction methods, realizing that certain standards are essential and inherent in every casement. Such recognized standards have been omitted below as being superfluous. Only essential points of specifications have been included.)

Materials—Sections shall be of hot rolled new billet steel, weight at least 2 lbs. per lineal foot of frame and ventilator bar combined . . . specially designed for casements only with minimum depth of 1 in. and minimum thickness of $\frac{1}{8}$ in. . . .

Construction—Corner joints shall be mitre cut and automatically butt welded . . . muntin joints shall be interlocked and welded, and air hammer riveted where they join the frame . . . hinges to be heavy $\frac{1}{8}$ in. steel plate, extension type, bronze bearing welded to frame and riveted to ventilator . . . casements shall be designed for outside putty glazing . . . where designated casements shall be fully prepared for screens . . . head and jamb fins shall be furnished for all openings where casements set directly into masonry . . . wood surrounds of clear kiln dried Redwood shall be furnished at head, sill and jambs of openings so designated . . . ventilators shall be hung to give double point contact $\frac{1}{4}$ in. wide around entire perimeter . . .

Hardware—Shall be finished in black lacquer of plain heavy pattern, designed for positive locking . . . it shall be shipped separately, securely packed . . . Mesker Universal Operators shall be furnished in duotone black lacquer housing with solid antique bronze handle for screen type casements . . . furnish locking handles, spring catches, transom stays, keepers, and strike plates of approved design as may be required . . . (Mesker Solid Bronze Hardware is also available) . . . all screen type hardware to be designed to operate without the necessity of removing, disturbing, notching, or distorting the screen in any way . . .











































Workmanship—Sections shall be straight, smooth, and free from excessive hammer marks . . . paint to be one coat of rust resisting primer evenly sprayed on . . . ventilators shall be hung square and true, work with maximum ease and make positive tight contact all around . . . muntins shall be in perfect alignment . . . all joints shall be flush . . . welds to be ground down and finished smooth . . .

Erection—(See page 3 for erection specifications.)










Screens—(See page 3 for specifications on Mesker Screens.)

POPULAR STANDARD SIZES OF GUILDHALL CASEMENTS







WINDOWS WITH SIDE HINGED, SWING OUT VENTILATORS

 1212	 2214	 4214	 4224	 6224	 6224VC	 8224VC
 1313	 2316	 4316	 4326	 6326	 6326VC	 8326VC
 1413	 2416	 4416	 4426	 6426	 6426VC	 8426VC
 1414	 2418	 4418	 4428	 6428	 6428VC	 8428VC
 1514	 2518	 4518	 4528	 6528	 6528VC	 8528VC
 1614	 2618	 4618	 4628	 6628	 6628VC	 8628VC





TRANSOM TYPE WINDOWS

 2416T2	 4416VCT2	 4426T4
 2518T2	 4518VCT2	 4528T4
 2618T4	 4618VCT4	 4628T8

CASEMENT DOORS

 CH1	 CH2	 CH4
 CH6	 CH8	 CH8

VENTILATOR SYMBOLS

 SIDE HINGE AT LEFT	 SIDE HINGE AT RIGHT
 TOP HINGED OPEN-OUT	 BOTTOM HINGED OPEN IN

MESKER
BROS.
IRON CO.

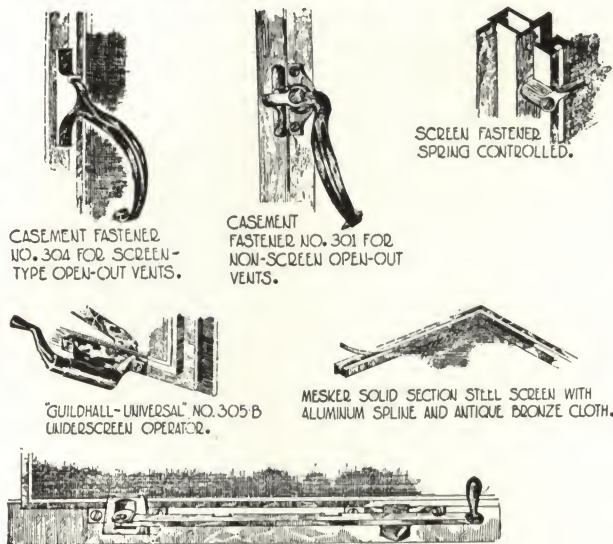
ORIGINATORS OF WROUGHT IRON SASH

SWEET'S
CATALOGUE

MESKER GUILDHALL RESIDENCE CASEMENTS

MESKER BRONZE AND
LACQUERED HARDWARE

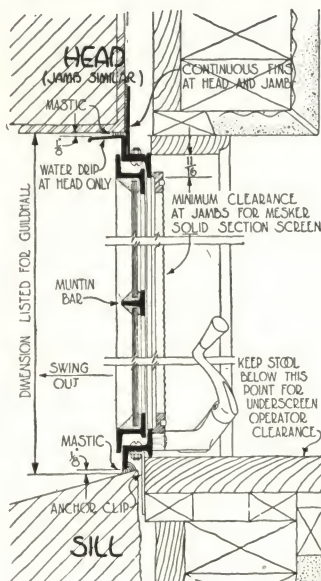
DETAILS SHOWING INSTALLATION—ASSEMBLY OF
SECTIONS—APPLICATION OF SCREENS—GLAZING



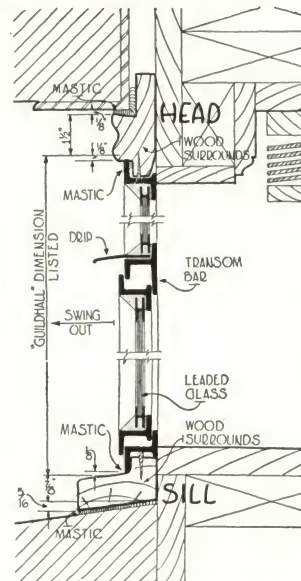
TRANSOM STAY NO. 320 FOR TOP HINGED
OPEN-OUT VENTS WITH SCREENS.

NOTES

Muntins may be omitted from Guildhalls at no extra cost . . . vents may swing right or left . . . when specified holes are provided for shade bracket hardware . . . all hardware designed and manufactured by Mesker . . . drips furnished above all open out vents.

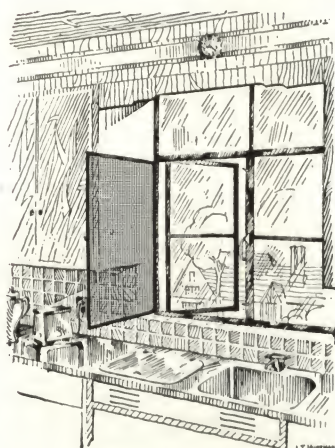


Guildhall Screen Type Casements
with Fins in Brick Veneer

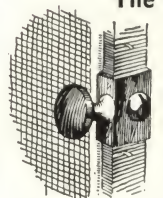


Guildhall Non-Screen Casements with Wood Surrounds in Brick Veneer

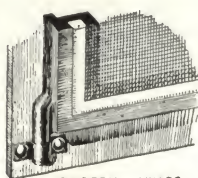
MESKER GUILDHALL ENGLISH CASEMENTS



The Guildhall English

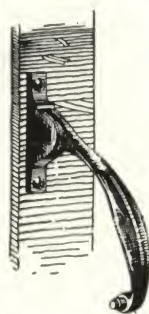


SCREEN HANDLE
BUTTON TYPE
NO. 352



SCREEN HINGE

CASEMENT FASTENER
NO. 35Q



1'-7"	3'-1"	3'-1"	4'-7"	4'-7"
HM2214	HM4214JH	HM4224	HM6224JH	HM6214VC
HM2314	HM4314JH	HM4324	HM6324JH	HM6314VC
HM2416	HM4416JH	HM4426	HM6426JH	HM6416VC
HM2518	HM4518JH	HM4528	HM6528JH	HM6518VC

MESKER
BROS.
IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

SWEETS
CATALOGUE

MESKER H-D PIVOTED AND PROJECTED WINDOWS

Mesker Heavy Duty Pivoted and Projected Windows are acknowledged as being one of the heaviest, strongest, and finest industrial windows on the market. Their many superior features as illustrated below are the result of years of experimentation and careful engineering plus the desire to offer to the architectural profession a factory window void of cheap materials and the usual "stuck together" construction.

SPECIFICATIONS

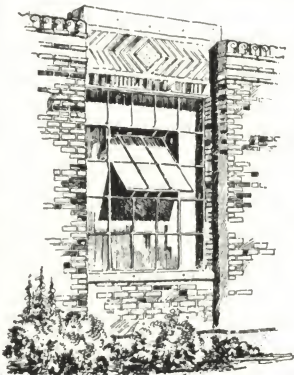
— For Architectural Projected Sash Also —

(Note: Manufacturers of metal windows have automatically standardized on many features of material and construction methods, realizing that certain standards are essential and inherent in every sash. Such recognized standards have been omitted below as being superfluous. Only essential points of specifications have been included.)

Material—Shall be (hot rolled new billet steel or Genuine Wrought Iron conforming to A.S.T.M. Specifications A-84-33, Grade B-1) in sections not less than $1\frac{1}{2}$ in. deep . . . no section less than $\frac{1}{8}$ in. thick shall be used anywhere . . . all moving parts shall be bronze giving "bronze to steel" bearing . . . sections shall be smooth and straight and specially designed for industrial windows . . .

Construction—All joints throughout the sash shall be interlocked or riveted and additionally arc welded . . . applied weathering bars shall be not less than $\frac{1}{8}$ in. thick throughout . . . pivoted vents to be balanced on pivots of malleable iron cup and bronze disc design riveted on the center line of ventilator bars . . . projected vents shall be supported by $\frac{1}{8}$ -in. angle side arms with bronze washers and adjustable friction device, and bronze grooved hinges sliding in the vent jamb . . . muntin bars shall run continuous vertically and horizontally . . . double point contact at least $\frac{1}{8}$ in. wide shall be maintained around ventilators . . . mullions of (either T or angle type) shall be furnished where two or more sash occur in one opening . . . glass size shall be (either 12x18 in. or 14x20 in.) . . . putty glazed on (either inside or outside) . . . (for architectural projected sash mention whether outside putty glazing at reduced cost or inside glazing with glazing beads is required, also that unequal leg channel frame bar shall be furnished) . . .

Hardware—Shall be malleable iron (solid bronze antique coinage finish is standard on architectural projected) securely packed for shipment . . . camlocks shall be furnished with all push bars . . . spring latches shall be used on screened pivoted vents, and underscreen push bars on screened projected out vents . . . supply necessary chain, pole rings, chain cleats, chain pulleys, and camhandles for satisfactory operation of all vents . . .

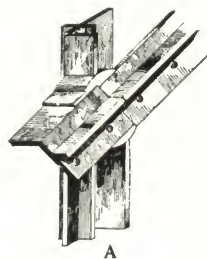


Mesker H-D Pivoted

Workmanship—All sash to be square and plumb . . . vents to operate easily and to make tight contact with frame . . . muntins to be in alignment throughout . . . all joints to be flush and with clean heavy welds . . . one coat of rust resistant primer paint to be applied in the factory . . .

Erection—All sash to be erected by the manufacturer . . . to be set plumb and true . . . vents to be adjusted and hardware carefully fitted on before glazing . . . manufacturer to furnish sufficient glazing clips and standard erection fittings . . .

Screens—(See page 3 for specifications on Mesker Screens.)



A



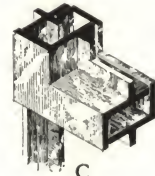
B



D



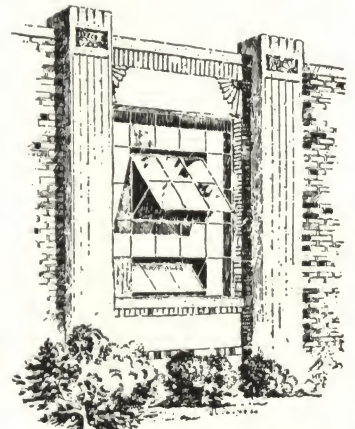
E



C



F



Mesker H-D Projected

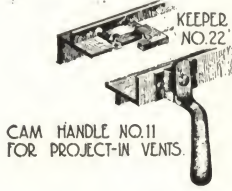
MESKER INDUSTRIAL HARDWARE



CAM LOCK NO. 4 AND PUSH BAR NO. 1 FOR PIVOTED OR PROJECTED



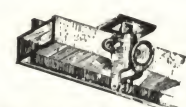
POLE RING NO. 19 - FOR PROJECT-OUT VENTS



CAM HANDLE NO. 11 FOR PROJECT-IN VENTS



UNDERSCREEN PUSH BAR NO. 25



SPRING LATCH NO. 7 FOR PROJECT-IN OR PIVOTED VENTS



CHAIN PULLEY NO. 7A FOR PROJECT-OUT VENTS



BRONZE FASTENER NO. 10 FOR PROJECT-OUT ARCHT. PROJECTED VENTS



BRONZE FASTENER NO. 203 FOR PROJECT-IN ARCHT. PROJECTED VENTS

EXCLUSIVE FEATURES OF MESKER HEAVY DUTY INDUSTRIAL WINDOWS

- A. Mesker Cup Pivot (Patent No. 1-882-249) . . . weathertight . . . rust proof . . . large bearing surface . . . provides simple screening and maximum ease of operation for the life of the window . . .
- B. Corner Joints Riveted and Welded . . . $2\frac{1}{2}$ in. of solid weld prevents sash from racking out of square . . . maximum rigidity . . .
- C. Hot rolled weathering angles $\frac{1}{8}$ in. thick . . . no light sheet metal sections . . . additional rigidity . . . tighter contact . . . never bent out of shape . . .
- D. Deep sections . . . minimum $1\frac{1}{2}$ in., maximum $1\frac{3}{8}$ in., depth combats horizontal strains and wind pressure . . . greater depth means greater strength . . .
- E. Heavy muntin joint interlocked, then thoroughly welded . . . a joint as strong as the bar itself, increasing again the rigidity and strength . . .
- F. Outside glazing on industrial sash successfully accomplished . . . putty protects steel, reducing corrosion . . . glazed like all casements and wood sash on the outside . . .



ORIGINATORS OF WROUGHT IRON SASH



MESKER H-D PIVOTED AND PROJECTED WINDOWS

STANDARD SIZES OF MESKER H-D PIVOTED SASH

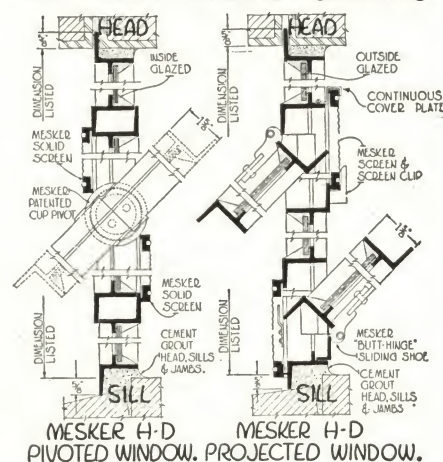
FOR 12X18 SIZE READ ACROSS TOP AND DOWN LEFT SIDE ~

HEIGHT	2 LTS. WIDE 3'-2"	4 LIGHTS WIDE 4'-2 3/8"	5 LTS. WIDE 5'-2 3/8"	6 LTS. WIDE 6'-3 3/8"	HEIGHT
1'-7 1/2"	22140	41	41140	51	1'-9 1/2"
TYPE	22140	41	41140	51	TYPE
3'-1 3/8"	32	42	42180	52	3'-5 3/8"
TYPE	32	42	42180	52	TYPE
4'-8"	33	43	43181	53	5'-2"
TYPE	33	43	43181	53	TYPE
6'-2 3/8"	34	44	44181	54	6'-10 3/8"
TYPE	34	44	44181	54	TYPE
7'-8 3/4"	35	45	45181	55	8'-6 3/4"
TYPE	35	45	45181	55	TYPE
9'-3 1/8"	36	46	46181	56	10'-3 1/8"
TYPE	36	46	46181	56	TYPE
10'-9 1/2"	37	47	47181	57	11'-11 1/2"
TYPE	37	47	47181	57	TYPE

DO NOT CONFUSE 12 X 18 & 14 X 20 SIZES

FOR 14X20 SIZE READ ACROSS BOTTOM AND UP RIGHT SIDE

DETAILS SHOWING INSTALLATION—ASSEMBLY OF SECTIONS—APPLICATION OF SCREENS—GLAZING



NOTES

Inside or outside glazing is available . . . bronze hardware is available at slight extra cost . . . sash may bear Underwriters' labels . . . each mullion increases opening width two inches . . . vents may also be pivoted at top or bottom . . . 5/8 in. anchorage in walls . . . sash operate without notching or removing screens . . . construction details for Architectural Projected Sash same as for H-D Projected Sash with addition of unequal leg channel type frame section.

STANDARD SIZES OF MESKER ARCHITECTURAL PROJECTED SASH

STANDARD SIZES OF MESKER H-D PROJECTED SASH

* WINDOWS OF THIS WIDTH IN TYPES "A" TO "H" INCLUSIVE ARE FURNISHED WITH ONE VERTICAL MULLION RUNNING FROM HEAD TO SILL.

** VENTILATORS IN TYPES "I" TO "P" INCLUSIVE ARE GREATER THAN 3'-7" IN WIDTH, A SINGLE CENTER VERTICAL MULLION RUNNING FROM HEAD TO SILL IS INSERTED AT SLIGHT ADDITIONAL COST.

HEIGHT	2 LTS. WIDE 3'-2"	4 LIGHTS WIDE 4'-2 3/8"	5 LTS. WIDE 5'-2 3/8"	6 LTS. WIDE 6'-3 3/8"	HEIGHT
1'-6"	22140	41	41140	51	1'-9"
2'-0"	32	42	42180	52	2'-3"
2'-6"	33	43	43181	53	2'-9"
3'-0"	34	44	44181	54	3'-3"
3'-6"	35	45	45181	55	3'-9"
4'-0"	36	46	46181	56	4'-3"
4'-6"	37	47	47181	57	4'-9"
5'-0"	38	48	48181	58	5'-3"
5'-6"	39	49	49181	59	5'-9"
6'-0"	40	50	50181	60	6'-3"
6'-6"	41	51	51181	61	6'-9"
7'-0"	42	52	52181	62	7'-3"
7'-6"	43	53	53181	63	7'-9"
8'-0"	44	54	54181	64	8'-3"
8'-6"	45	55	55181	65	8'-9"
9'-0"	46	56	56181	66	9'-3"
9'-6"	47	57	57181	67	9'-9"
10'-0"	48	58	58181	68	10'-3"
10'-6"	49	59	59181	69	10'-9"
11'-0"	50	60	60181	70	11'-3"
11'-6"	51	61	61181	71	11'-9"
12'-0"	52	62	62181	72	12'-3"

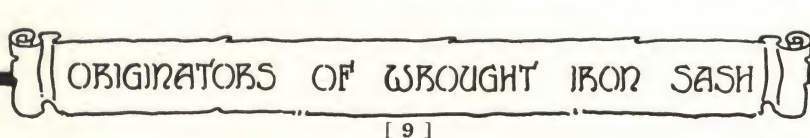
NOTES: ☒ VENT OPENS OUT AT BOTTOM.
☒ VENT OPENS IN AT TOP.

FOR 12X18 SIZE READ ACROSS TOP AND DOWN LEFT SIDE ~

HEIGHT	2 LTS. WIDE 3'-2"	4 LIGHTS WIDE 4'-2 3/8"	5 LTS. WIDE 5'-2 3/8"	HEIGHT
3'-1 3/8"	22140	42140	52160	3'-5 3/8"
TYPE	22140	42140	52160	TYPE
4'-8"	23141	43141	53161	5'-2"
TYPE	23141	43141	53161	TYPE
6'-2 3/8"	24141	44141	54161	6'-10 3/8"
TYPE	24141	44141	54161	TYPE
7'-8 3/4"	25141	45141	55161	8'-6 3/4"
TYPE	25141	45141	55161	TYPE
9'-3 1/8"	26141	46141	56161	10'-3 1/8"
TYPE	26141	46141	56161	TYPE
10'-9 1/2"	27141	47141	57161	11'-11 1/2"
TYPE	27141	47141	57161	TYPE

DO NOT CONFUSE 12 X 18 & 14 X 20 SIZES

FOR 14X20 SIZE READ ACROSS BOTTOM AND UP RIGHT SIDE ~



MESKER INDUSTRIAL STEEL DOORS

Mesker Industrial Steel Doors are made expressly to supply the demand for a door not only fireproof but capable of withstanding hard and rough abuse, yet neat in appearance besides. Heavy rigid construction, all-welded, and heavy hardware make them admirably adopted for general use as interior and exterior doors in all commercial and industrial buildings.

SPECIFICATIONS

Material—Shall be No. 14 gauge blue annealed steel sheets clean and free from scale, for rails, stiles, frames and panels . . .

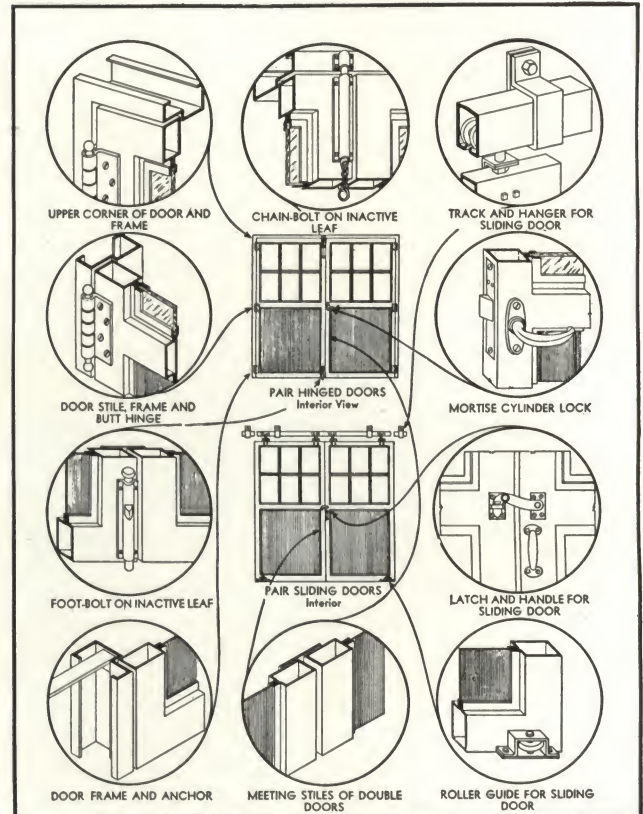
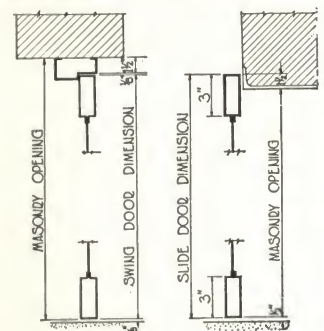
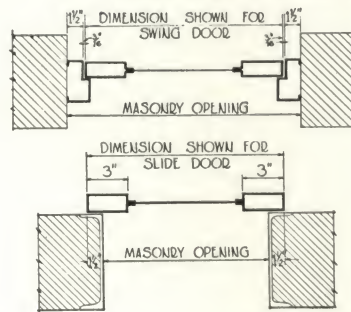
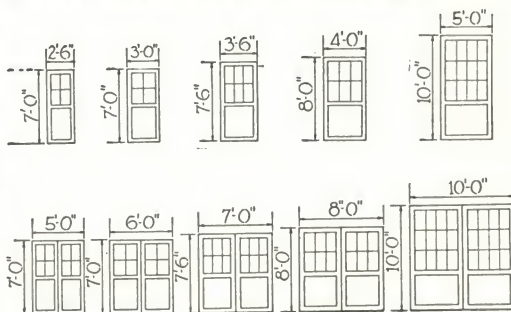
Construction—Stiles and rails shall be of tubular construction $3 \times 1\frac{1}{2}$ in. . . rails shall be mitre cut and solidly welded with heavy corner reinforcements . . . all other joints to be welded and all joints to be ground flush and smooth . . . hinges and other hardware to have concealed reinforcements . . . removable glazing strips to be provided around all panes, attached with steel screws . . . frames to be 4 in. nominal depth with single rebate . . . panels shall be solidly welded to stiles and rails and shall be thoroughly watertight . . . steel sheets to be placed so as to give a $\frac{3}{4}$ -in. deep panel on both sides of door.

Hardware—Swing doors to have three heavy steel butt hinges and cylinder lock for each active leaf, plus top and bottom bolts for inactive leaf of double doors . . . slide doors to have complete track equipment, hasp and staple handles, floor guides and door stops.

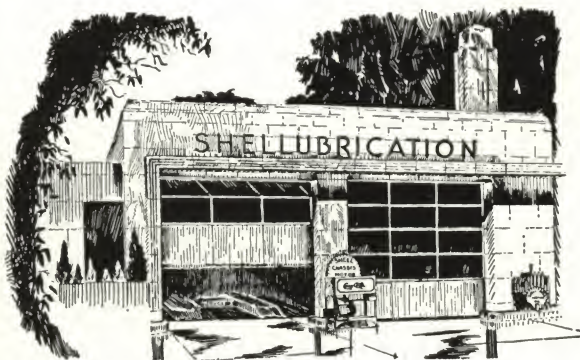
Erection—All frames shall be set as openings are built up and door leaves hung afterward . . . doors shall be originally hung in frames in the factory to insure perfect fit . . .

Notes—Door checks, cylinders, lever latches, antipanic bolts, special hinges, and other hardware are also available . . . all steel panels may be substituted for glass panes in upper part without extra cost . . . thresholds are also available . . .

STANDARD SIZES OF MESKER DOORS



THE MESKER STEEL OVERDOOR



Typical Installation

Mesker Steel Overdoors fill the need for a sturdy overhead door where ease of operation and attractive appearance is a deciding factor. Made of special solid steel sections, the stiles, rails and muntins are exceptionally narrow as illustrated. Glass area is, therefore, at a maximum, letting in the most light. There are no weights or weight boxes nor cumbersome chain pulleys. Two heavy spiral springs placed above the opening raise and lower the largest door almost automatically with minimum effort. Glass is held in place with glazing angles attached with steel screws. Bronze weatherstripping at the head and jambs and a rubber contact roll at the bottom makes this door wind and water tight. Each panel is hinged securely to the next one, and frictionless ball bearing rollers occur at the jambs at each hinge point. All steel panels may be substituted for glass wherever desired. Made in widths from 8 ft. to 15 ft. and heights from 8 ft. to 14 ft. Mesker Overdoors, sliding up and overhead on double tracks, are noted for their slim modern pleasing appearance, freedom from warping, swelling or shrinking, ability to withstand abuse, ease of hand operation even in the largest size, absence of weights and compact hardware assembly and weathertightness. They are admirably adopted for use in filling stations, public and private garages, fire stations, warehouses and truck terminals. Write for full details.



ORIGINATORS OF WROUGHT IRON SASH



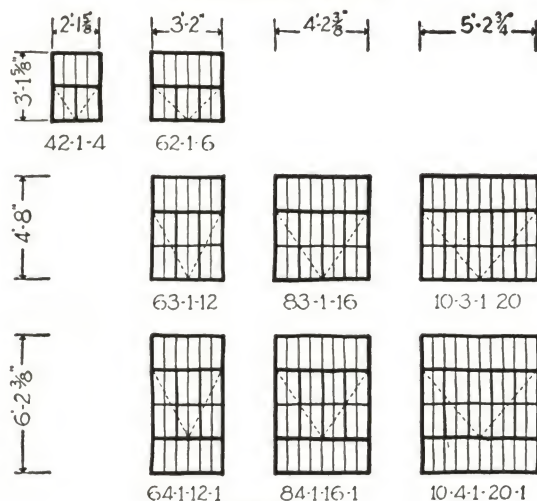
MESKER SECURITY WINDOWS

The Mesker Security Window

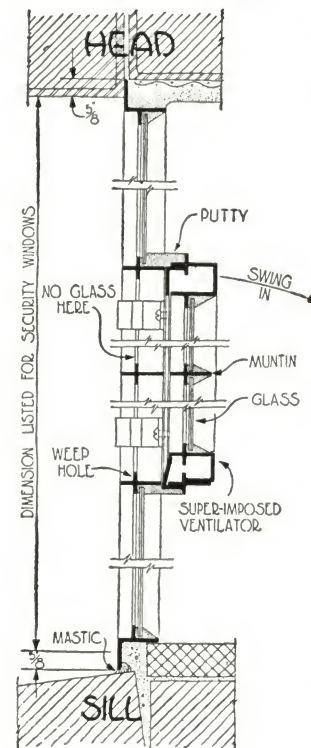


A burglar proof window for store buildings, small office buildings, warehouses and any place demanding protection from prowlers and thieves without the expensive necessity of extraneous bar grilles on the outside. Mesker Security Windows are made of the same special sections and to the same high standards as Mesker H-D Projected Windows, and the same exclusive superior Mesker features are contained in both types (see page 8). Security ventilators are of the projected type, and are a separate part of the window super-imposed on the main frame on the inside. When the vent is open the muntins on the frame act as guard bars. The ventilators always project in, and are fastened with a spring catch at the top. The Security Window is glazed on the inside with putty.

STANDARD SIZES



INSTALLATION AND CONSTRUCTION DETAILS



SPECIFICATIONS

Specifications are the same as for Mesker H-D Projected Windows for material, construction, workmanship, erection and screens (see page 8). Specify additionally that glass size for vent is to be 12x18 in., and for main frame 6x18 in. For hardware, specify spring catch.

MESKER CONTINUOUS WINDOWS

SPECIFICATIONS

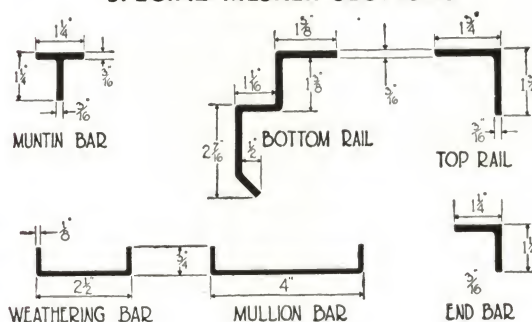
Material—Shall be hot rolled and formed sections of (new billet steel or Genuine Wrought Iron conforming to A.S.T.M. Specifications A-84-33, Grade B-1) . . . ventilator bars to be not less than 1/8 in. thick and mullion and weathering bars to be not less than 1/8 in. thick . . .

Construction—All joints shall be fully welded . . . all sections shall be solid and one piece . . . no built up section shall be permitted . . . muntins shall be 1 1/4 in. T's spaced on 2 ft. 0 in. on centers and solidly welded to frame . . . hinges shall be of heavy malleable iron bolted to sash every 4 ft., and centered on the muntin . . . sash shall lap the top and bottom girt angles 3/4 in. . . storm panels shall be furnished at ends of each single opening where designated . . . sash shall be glazed on the outside with putty and clips . . .

Workmanship—Sash shall be square . . . all joints shall be rigid . . . one coat of rust resisting primer paint shall be applied at the factory . . .

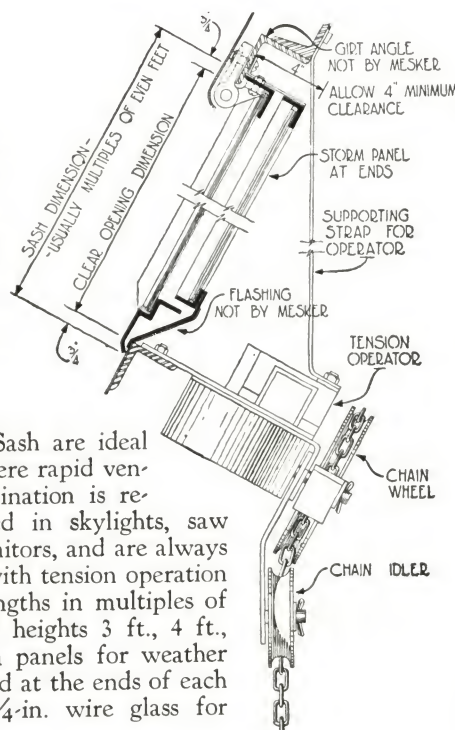
Operators—Shall be tension type chain controlled with cut steel worms, gears and racks . . . all bearings shall be bronze bushed and gears in powers to run in oil in dust proof housings . . . all parts except gears to have prime coat of paint applied at the factory.

SPECIAL MESKER SECTIONS



Mesker Continuous Sash are ideal for industrial plants where rapid ventilation and mass illumination is required. Can be placed in skylights, saw teeth, side walls or monitors, and are always mechanically operated with tension operation by remote control. Lengths in multiples of 2 ft. up to 100 ft. and heights 3 ft., 4 ft., 5 ft., and 6 ft. Storm panels for weather protection should be used at the ends of each ventilator run. Use 1/4 in. wire glass for glazing.

CONSTRUCTION DETAILS



ORIGINATORS OF WROUGHT IRON SASH



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TOLEDO, OHIO



BROWN & WILLIAMSON TOBACCO CO.
LOUISVILLE, KENTUCKY



UNITED STATES POST OFFICE
PONCA CITY, OKLAHOMA



RESIDENCE
MOLINE, ILLINOIS



MUNICIPAL BUILDING
PORTSMOUTH, OHIO



TENNESSEE EASTMAN CORP.
KINGSPORT, TENNESSEE



Philadelphia & Reading Coal & Iron Co.
ST. NICHOLAS, PENNSYLVANIA

Mesker

Saint Louis

Among many nationally known customers of Mesker are—International Harvester—Borden's—Kraft Phenix Cheese—Brown & Williamson Tobacco—R. J. Reynolds—Ford Motor—Chevrolet—Swift & Company—Armour—Hormel—Carnegie Steel—Amer. Sheet & Tin Plate—NYC Lines—Pennsylvania R. R.—Premier Pabst—Seagram's—Anheuser-Busch—Standard Oil—Shell Petroleum—Gulf Refining—SKF—Armstrong Cork—Montgomery Ward—Union Tank Car—Elgin Watch—Owens Illinois Glass—Firestone—International Shoe.



CHURCH OF ST. AGNES
ROCKVILLE CENTRE, NEW YORK



CHURCH OF THE SACRED HEART
ABERDEEN, SOUTH DAKOTA